

Fig. 1

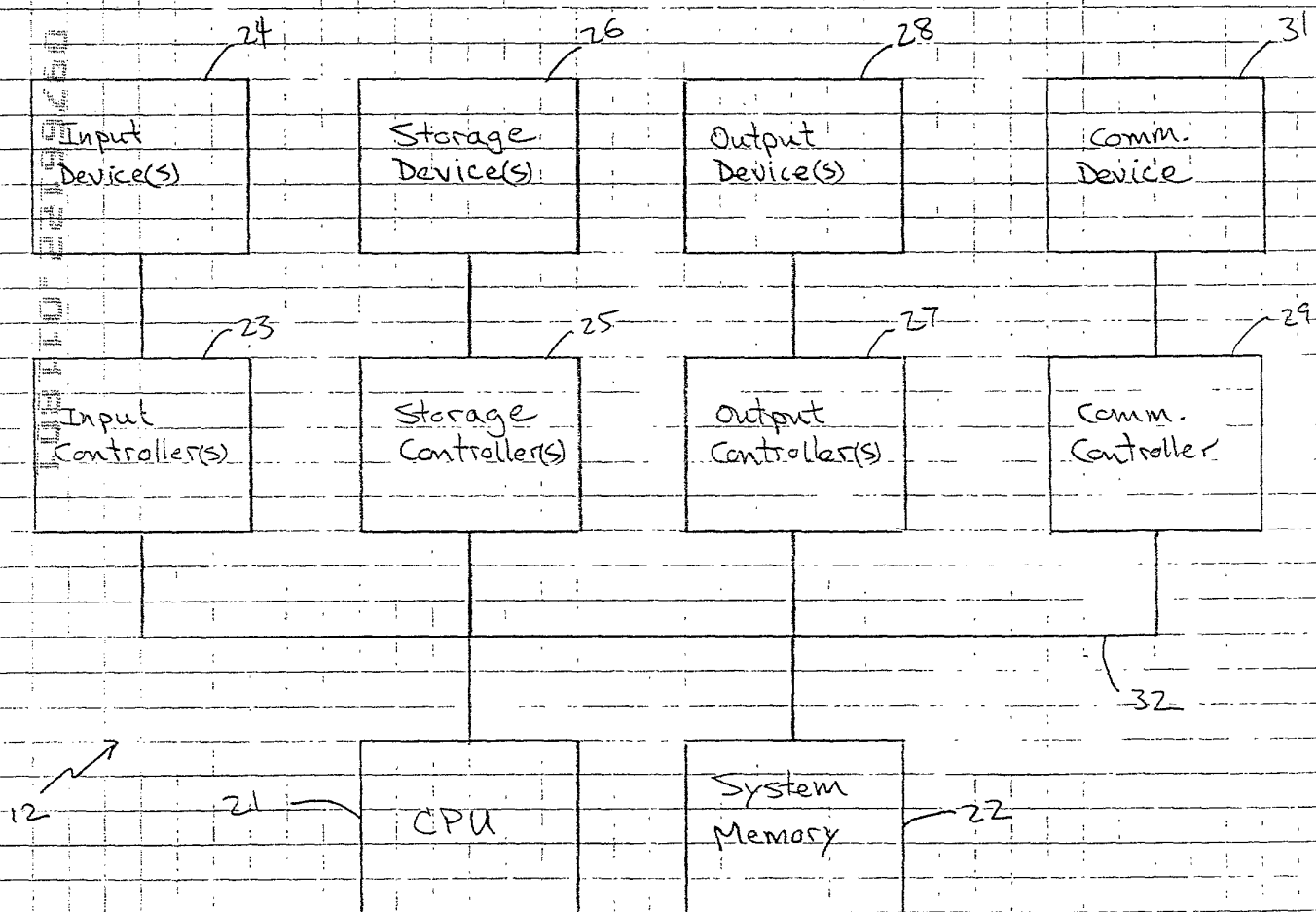


Fig. 2

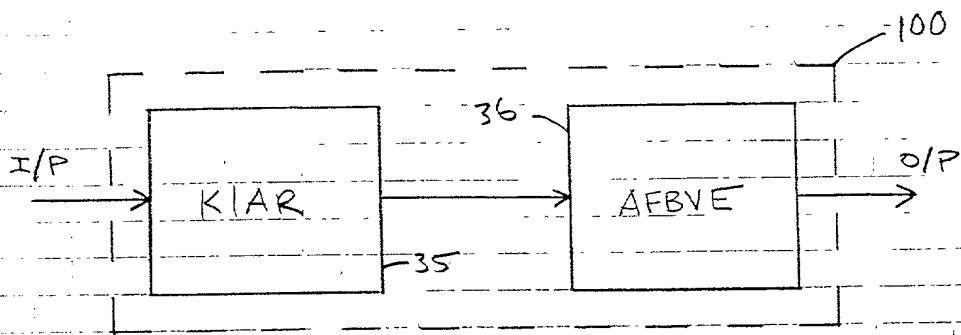


Fig. 3

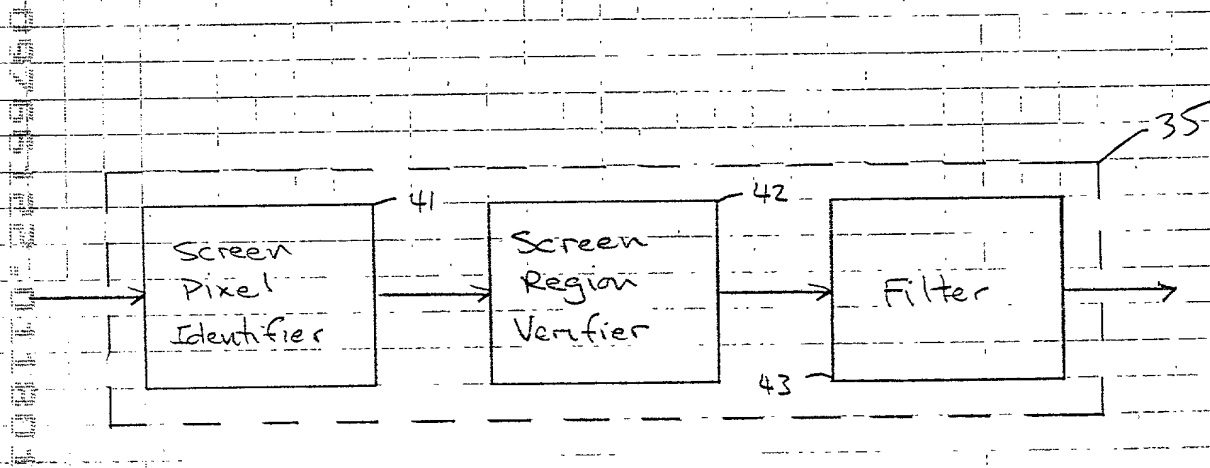


Fig. 4

Figure 1 consists of 14 subplots (a-n) arranged vertically, each showing a time course of a different physiological or behavioral parameter over a 24-hour period. The x-axis for all plots is 'Time of day' ranging from 0 to 24 hours. The y-axis for each plot represents the parameter being measured, with units specified in the plot title. The parameters and their approximate peak values are: (a) Heart rate (b/min) peaks at ~120; (b) Blood pressure (mmHg) peaks at ~120; (c) Blood glucose (mg/dl) peaks at ~120; (d) Blood lactate (mmol/l) peaks at ~120; (e) Blood urea (mg/dl) peaks at ~120; (f) Blood creatinine (mg/dl) peaks at ~120; (g) Blood ammonia (mg/dl) peaks at ~120; (h) Blood pH peaks at ~7.4; (i) Blood bicarbonate (mmol/l) peaks at ~24; (j) Blood chloride (mmol/l) peaks at ~100; (k) Blood sodium (mmol/l) peaks at ~140; (l) Blood potassium (mmol/l) peaks at ~4.0; (m) Blood calcium (mg/dl) peaks at ~10.0; (n) Blood magnesium (mg/dl) peaks at ~2.0.

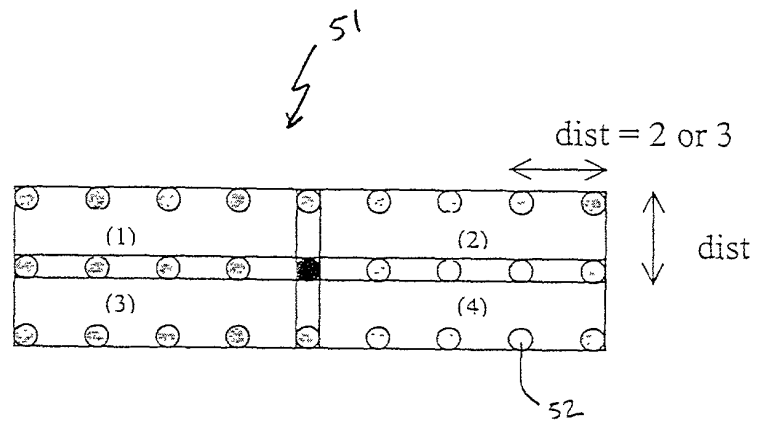


Fig. 5

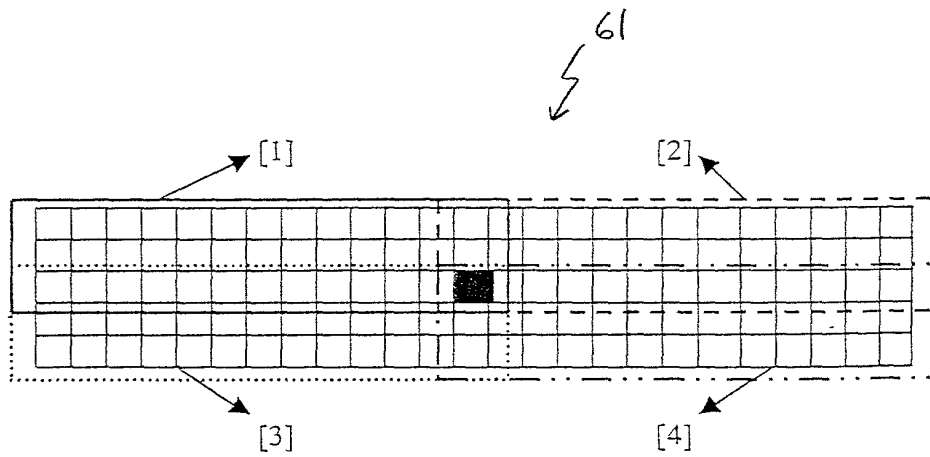


Fig. 6

$1/16^*$

1	2	1
2	4	2
1	2	1

Fig. 7

	1	2	1	
	2	4	2	
	1	2	1	

Fig. 8

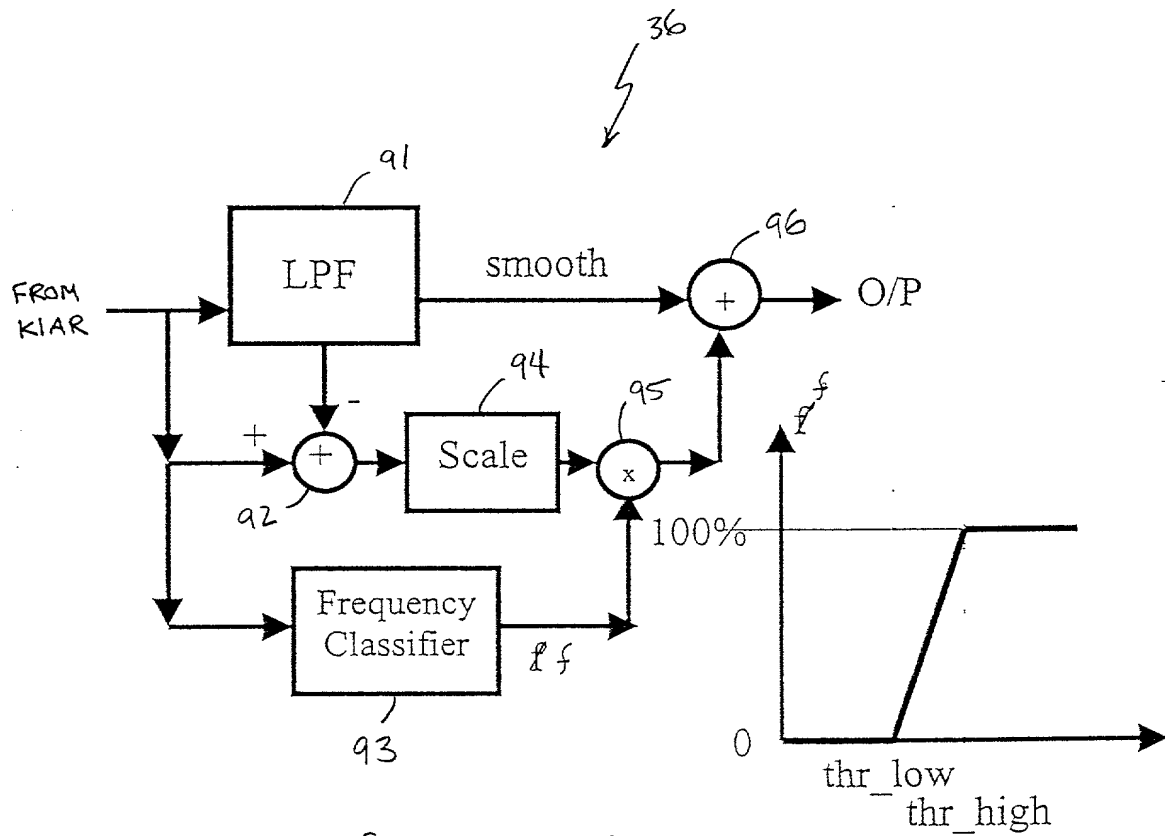


Fig. 9

Fig. 10

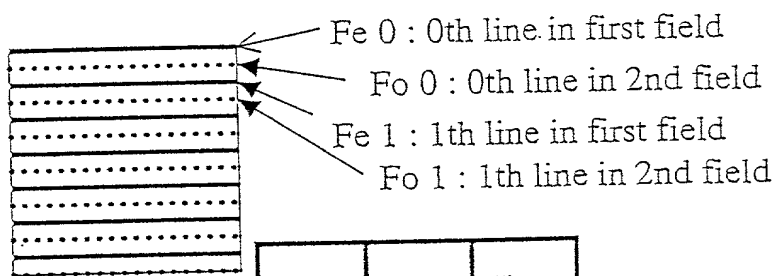


Fig. 11A

$X_{i-1,j-1}$	$X_{i-1,j}$	$X_{i-1,j+1}$
$X_{i,j-1}$	$X_{i,j}$	$X_{i,j+1}$
$X_{i+1,j-1}$	$X_{i+1,j}$	$X_{i+1,j+1}$

X either all from Fe
or all from Fo

Fig. 11B